

## Storm Data and Unusual Weather Phenomena - January 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ILLINOIS, South</b>				

**PULASKI COUNTY --- 3.6 WSW PULASKI [37.20, -89.26], 3.2 WSW PULASKI [37.20, -89.25], 2.9 W PULASKI [37.22, -89.25], 3.3 W PULASKI [37.22, -89.26]**

01/03/15 11:00 CST	1	40K	Flood (due to Heavy Rain)
01/05/15 23:00 CST		0	Source: Broadcast Media

One fatality occurred when a motorist drove around barricades into a flooded area along Sandusky Road. The area is fairly prone to flooding of the Cache River. The vehicle was found completely submerged in Cache River floodwaters. A volunteer fire and rescue squad located the vehicle and the body of the motorist. The body of the female motorist was found in a flooded field about 100 feet from the vehicle. It appeared she may have tried to turn around, and the vehicle ended up in a flooded ditch. The incident was reported by a tow-truck driver who towed a second vehicle out of the floodwater. The driver of the second vehicle got out safely, but the vehicle was almost completely submerged except for a small part of the top.

Direct Fatalities: F56VE

**A very heavy rainfall event on the 3rd caused the Cache River to overflow its banks. A potent storm system lifted out of the Southwest during the first few days of the year. An area of low pressure opened up as it entered the southern Plains. Widespread moderate to heavy rain fell between the 2nd and 4th. One to three inch totals were common during this time period, with isolated reports between four and five inches.**

**(IL-Z075) JEFFERSON, (IL-Z076) WAYNE, (IL-Z077) EDWARDS, (IL-Z078) WABASH, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON, (IL-Z083) WHITE, (IL-Z086) SALINE, (IL-Z087) GALLATIN, (IL-Z091) HARDIN**

01/08/15 00:00 CST		0	Cold/Wind Chill
01/08/15 08:00 CST		0	

Along and northeast of a line from Mount Vernon to Harrisburg to Hardin County, wind chill values plunged to around 10 below zero during the late night and early morning hours. The lowest recorded wind chill value in southern Illinois was minus 12 at the Mount Vernon airport. Other minimum wind chill readings included minus 11 at Fairfield, and minus 9 at Carmi and Harrisburg. Arctic high pressure moved eastward from the Ozarks across the Lower Ohio and Mid-Mississippi Valleys. Actual low temperatures were between zero and 4 above zero.

**(IL-Z088) UNION, (IL-Z089) JOHNSON, (IL-Z090) POPE, (IL-Z091) HARDIN, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI, (IL-Z094) MASSAC**

01/15/15 02:00 CST		0	Winter Weather
01/15/15 09:00 CST		0	

South of a line from Carbondale to Harrisburg, one to two inches of snow fell during the early morning hours. The snow fell in bands oriented from west to east. The heaviest band extended from Anna east across Vienna to Hardin County. Roads were snow-covered and slippery. Some schools were closed, and there was a rash of motor vehicle accidents. The snow was associated with a compact but strong upper-level disturbance that moved east across southern Missouri.

## **INDIANA, Southwest**

**GIBSON COUNTY --- PRINCETON [38.35, -87.57]**

01/03/15 05:00 CST		0	Heavy Rain
01/03/15 11:00 CST		0	Source: Law Enforcement

Water was over roads due to heavy rain overnight.

**A surface low pressure system moved northward from the western Gulf coast to the middle Mississippi Valley. A strong southerly wind flow associated with this system brought copious amounts of moisture northward. The result was widespread heavy rainfall averaging from one to three inches, with isolated higher amounts.**

**PIKE COUNTY --- PETERSBURG [38.50, -87.28], 3.8 NE PETERSBURG [38.54, -87.23], 3.4 NE PETERSBURG [38.54, -87.24], 0.7 N PETERSBURG [38.51, -87.28]**

01/05/15 00:30 EST		0	Flood (due to Heavy Rain)
01/08/15 01:15 EST		0	Source: River/Stream Gage

Minor flooding occurred along the White River near Petersburg. Lowland flooding affected a number of rural county roads. Flooding affected low agricultural lands and low oil fields.

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<b>GIBSON COUNTY --- 0.9 WSW GIRO [38.49, -87.48], 1.8 NE HAZLETON [38.50, -87.50], 0.7 NNE HAZLETON [38.49, -87.53], 1.5 NNE HAZLETON [38.50, -87.52]</b>				
	01/05/15 15:30 CST		0	Flood (due to Heavy Rain)
	01/08/15 23:45 CST		0	Source: River/Stream Gage

Minor flooding occurred along the White River near Hazleton. Floodwaters covered low ground, inundating low-lying oil fields. A couple of low rural roads were flooded.

Minor flooding occurred on the White River. The flooding was in response to heavy rainfall on the 3rd caused by a surface low pressure system that moved northward from the western Gulf coast. The low brought widespread heavy rainfall averaging from one to three inches, with isolated higher amounts.

<b>(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER</b>				
	01/07/15 21:00 CST		0	Cold/Wind Chill
	01/08/15 08:00 CST		0	

Wind chill values plunged to around 10 below zero during the night and remained there into the early morning hours. The lowest recorded wind chill value at the Evansville airport was minus 11. Arctic high pressure moved eastward from the Ozarks across the Lower Ohio and Mid-Mississippi Valleys. Actual low temperatures were between 1 and 5 above zero across southwest Indiana.

### KENTUCKY, Southwest

<b>(KY-Z010) CRITTENDEN, (KY-Z013) CALDWELL, (KY-Z014) UNION, (KY-Z015) WEBSTER, (KY-Z016) HOPKINS, (KY-Z017) CHRISTIAN, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS, (KY-Z020) MCLEAN, (KY-Z021) MUHLENBERG, (KY-Z022) TODD</b>				
	01/07/15 18:00 CST		0	Cold/Wind Chill
	01/08/15 09:00 CST		0	

Along and northeast of a line from Marion to Princeton to Hopkinsville, wind chill values plunged to around 10 below zero during the early evening and remained there until mid-morning the next day. The lowest recorded wind chill value in western Kentucky was minus 13 in Muhlenberg County near Central City. Other minimum wind chill readings included minus 10 near Marion, Hopkinsville, and Madisonville. Arctic high pressure moved eastward from the Ozarks across the Lower Ohio and Mid-Mississippi Valleys. Actual low temperatures were between 1 below and 4 above zero.

<b>(KY-Z001) FULTON, (KY-Z002) HICKMAN, (KY-Z003) CARLISLE, (KY-Z004) BALLARD, (KY-Z005) MCCrackEN, (KY-Z006) GRAVES, (KY-Z007) LIVINGSTON, (KY-Z008) MARSHALL, (KY-Z009) CALLOWAY, (KY-Z011) LYON, (KY-Z012) TRIGG, (KY-Z013) CALDWELL, (KY-Z016) HOPKINS, (KY-Z017) CHRISTIAN, (KY-Z019) DAVIESS, (KY-Z020) MCLEAN, (KY-Z021) MUHLENBERG, (KY-Z022) TODD</b>				
	01/10/15 00:00 CST		0	Drought
	01/31/15 23:59 CST		0	

Moderate drought conditions developed across most of western Kentucky by the middle of the month. Since December 1, 2014, precipitation amounts across much of Kentucky were 3 to 5 inches below normal. Precipitation at the Princeton mesonet site was 2.05 inches in December, and 1.51 inches in January. Normal monthly precipitation is between 3.5 and 4 inches for each month. River levels were unusually low on the Ohio River, but no significant impacts were noted.

<b>(KY-Z003) CARLISLE, (KY-Z004) BALLARD, (KY-Z005) MCCrackEN, (KY-Z006) GRAVES, (KY-Z007) LIVINGSTON, (KY-Z008) MARSHALL, (KY-Z010) CRITTENDEN, (KY-Z011) LYON, (KY-Z012) TRIGG, (KY-Z013) CALDWELL, (KY-Z014) UNION, (KY-Z015) WEBSTER, (KY-Z016) HOPKINS, (KY-Z017) CHRISTIAN, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS, (KY-Z020) MCLEAN, (KY-Z021) MUHLENBERG, (KY-Z022) TODD</b>				
	01/15/15 04:00 CST		0	Winter Weather
	01/15/15 11:00 CST		0	

Across most of western Kentucky, one to two inches of snow fell during the morning hours. Lesser amounts of one-half inch or less occurred along the Tennessee border from Murray to Hopkinsville. The snow fell in bands oriented from west to east. The heaviest band extended from Bardwell (in Carlisle County) east across Benton (in Marshall County) to northern Christian County. Roads were snow-covered and slippery. Some schools were closed, and there was a rash of motor vehicle accidents. A fatal collision occurred on the Natcher Parkway near the 68-mile marker in Daviess County. A van lost control on the snow, crossed the median of the highway, and hit a pickup truck head-on. The driver of the pickup truck was killed. Two others were injured. A tractor-trailer rig jackknifed to avoid the collision, but the driver of the rig was not hurt. The parkway was closed for 4 to 5 hours. Dozens of accidents were reported in Marshall County, including two with injuries. A couple of people were injured in separate accidents near Paducah. One accident occurred on U.S. Highway 62 a few miles west of Paducah, and the other was on a secondary road in southern McCracken County. In Mayfield, a head-on collision with injuries occurred on the Highway 121 bridge over the Purchase Parkway. One person was seriously injured, and another person received minor injuries. In Christian County, a woman was hurt in an accident on the Pennyryle Parkway. Her vehicle slid off the

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roadway and struck a tree. The highest measured accumulation was 2 inches in Benton and along Lake Barkley near the Trigg/Lyon County line. The snow was associated with a compact but strong upper-level disturbance that moved east across southern Missouri.

### MISSOURI, Southeast

**BUTLER COUNTY --- FISK [36.78, -90.22], QULIN [36.60, -90.27], NEELYVILLE [36.57, -90.50], STRINGTOWN [36.75, -90.58], HENDRICKSON [36.90, -90.48]**

01/03/15 04:00 CST	3K	Flash Flood (due to Heavy Rain)
01/03/15 10:00 CST	0	Source: Emergency Manager

Several roads were closed in the county. Water was over roadways in many places. At the Poplar Bluff airport, the storm-total rainfall was 4.34 inches. A trained spotter seven miles northwest of Poplar Bluff measured 1.99 inches during a seven-hour period starting at midnight.

**CAPE GIRARDEAU COUNTY --- CAPE GIRARDEAU [37.30, -89.53]**

01/03/15 04:00 CST	0	Heavy Rain
01/03/15 11:00 CST	0	Source: Trained Spotter

Several roads were covered with at least six inches of water. The storm-total rainfall at the Cape Girardeau airport was 3.64 inches.

A surface low pressure system moved northward from the western Gulf coast to the middle Mississippi Valley. A strong southerly wind flow associated with this system brought copious amounts of moisture northward. The result was widespread heavy rainfall averaging from one to three inches, with isolated higher amounts.

**(MO-Z100) WAYNE, (MO-Z107) CARTER, (MO-Z108) RIPLEY, (MO-Z109) BUTLER, (MO-Z110) STODDARD**

01/11/15 06:00 CST	0	Winter Weather
01/11/15 11:00 CST	0	

From the Dexter/Bloomfield area westward, a few hours of light freezing rain caused roads to become slippery. The freezing rain was mixed with sleet at times. In Stoddard County, a vehicle travelling along Highway 25 near Advance slid off the road and overturned. The driver sustained minor injuries and was transported by ambulance to a regional hospital. High pressure over the Appalachian Mountains produced a southerly wind flow of milder air. As this milder air overrode a shallow layer of sub-freezing air, some light freezing rain and sleet occurred. The precipitation was enhanced by a 500 mb shortwave moving east across the southern Plains.

**(MO-Z076) PERRY, (MO-Z086) BOLLINGER, (MO-Z087) CAPE GIRARDEAU, (MO-Z100) WAYNE, (MO-Z110) STODDARD, (MO-Z111) SCOTT, (MO-Z112) MISSISSIPPI**

01/15/15 01:00 CST	0	Winter Weather
01/15/15 08:00 CST	0	

Across most of southeast Missouri, one to two inches of snow fell during the early morning hours. Lesser amounts of one-half inch or less occurred along the Arkansas border from Doniphan to New Madrid. The snow fell in bands oriented from west to east. The heaviest bands extended from Bollinger and northern Stoddard Counties east across Cape Girardeau and Scott Counties. Roads were snow-covered and slippery. Some schools were closed, and there was a rash of motor vehicle accidents. Two accidents with minor injuries were reported in Scott County. One of these accidents occurred on U.S. Highway 61 near Morley, and the other was on Route A near Benton. A minor injury occurred in an accident on Highway 25 near Dexter in Stoddard County. The snow was associated with a compact but strong upper-level disturbance that moved east across southern Missouri.